

IN THE CLAIMS:

1. (Currently Amended) A method ~~for updating a firmware of a mobile device belonging to a network, the method~~ comprising:

- receiving ~~transmitting~~ update data from a network unit ~~using~~ at a mobile device of the network (403), wherein ~~to which there is connected~~ a logic, external memory unit is connected with the mobile device,
- transferring the update data from the mobile device to the external memory unit,
- storing the update data in the external memory unit (203, 303, 406) of the mobile device, [[and]]
- programming the stored update data in a permanent memory unit (204, 306, 408) of the mobile device, according to [[the]] programming logics provided [[in]] by the mobile device, and
- updating a firmware of a mobile device according to the update data.

2. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of transmitting the update data from the network unit to the mobile device as a response to a certain function that triggers the transmission, said function being one of the following: choosing from [[the]] a menu of the network unit ~~network unit's menu~~ (402) by a user, choosing from a menu of the mobile device ~~the mobile device's menu~~ (201) by a user, an appearing of new update data to the network unit, or an outdating (301) of the firmware of the mobile device.

3. (Currently Amended) A method according to claim 1, wherein the logic, external memory unit is connected to the mobile device by means of an external memory bus (105).

4. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of transmitting the update data by the mobile device (403), where the update data is converted to be compatible with the memory unit and with the memory bus (405) to be connected thereto,

~~whereafter~~ after which the converted update data is transmitted to the external memory unit along the memory bus (406).

5. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of transmitting the update data by a mobile device, through which the update data is directly transmitted further to the external memory bus of the mobile device along a memory bus (203).
6. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of programming the update data stored in the external memory unit in the mobile device, when the mobile device is switched on for the next time (304, 307, 407, 409).
7. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of copying the programming logics for programming the update data from an external memory unit to the permanent memory unit of the mobile device prior to programming the update data (305).
8. (Currently Amended) A method according to claim 1, wherein the method comprises ~~a step~~ of storing the programming logics for updating the update data from the permanent memory unit of the mobile device to ~~the RAM~~ a random access memory of the mobile device prior to programming the update data.
9. (Currently Amended) An arrangement comprising: ~~for updating a firmware of a mobile device belonging to a network, the arrangement including~~
  - an external memory unit (106) ~~for storing the~~ arranged to store an update data,
  - a connection interface arranged to transmit ~~means for transmitting~~ the update data from a network (107) unit to a mobile device and further to the external memory unit (106) of the mobile device, and

- ~~means for storing the update data to the external memory unit (106) of the mobile device;~~  
and
  - a control unit arranged to program ~~means for programming~~ the stored update data to a permanent memory unit (102) of the mobile device by means of a programming driver provided ~~[[in]]~~ by the mobile device, and wherein the control unit is further arranged to update a firmware of the mobile device.
10. (Currently Amended) An arrangement according to claim 9, wherein the mobile device includes an external bus (105) for connecting a logic, external memory unit (106) to the mobile device (101).
11. (Currently Amended) An arrangement according to claim 9, wherein the mobile device includes means for converting the update data into a form (104, 105) required by the external memory unit.
12. (Currently Amended) An arrangement according to claim 9, wherein the mobile device includes ~~means for copying~~ a copier configured to copy the programming driver to its permanent memory unit (102) from the external memory unit (106) prior to programming the update data.
13. (Currently Amended) An arrangement according to claim 9, wherein said arrangement is programmable. ~~means are programmable means.~~
14. (Currently Amended) A mobile device (101) ~~belonging to a network (107) and including a firmware to be updated, the mobile device~~ comprising:
- a connection interface (105) arranged to connect ~~for connecting~~ the mobile device with the network and for transmitting an update data from the network to the mobile device and further to an external memory unit,
  - wherein the connection interface is further arranged to connect ~~a memory bus interface for connecting~~ the mobile device with ~~[[an]]~~ the external memory unit (106), and

further arranged to transmit ~~for transmitting~~ the update data from the mobile device to the external memory unit in order to store the update data to the external memory unit, ~~[[and]]~~

a control unit configured to program ~~means for programming~~ the stored update data to a permanent memory unit of the mobile device according to programming logics provided ~~[[in]]~~ by the mobile device, and

wherein the control unit is further arranged to update a firmware of the mobile device according to the update data and programming logics.

15. (Previously Presented) A mobile device according to claim 14, wherein the mobile device comprises a mobile phone.

16. (Currently Amended) An external memory unit, ~~connectable to a mobile device, for storing update data of a firmware of the mobile device, the external memory unit~~ comprising:

a memory bus interface arranged to connect to a ~~for connecting to the~~ mobile device ~~and for receiving the~~ and to receive an update data from a network unit through the mobile device,

wherein the external memory unit is arranged to store ~~means for storing~~ the update data, and

wherein the external memory unit is further arranged to provide ~~means for providing~~ the mobile device with the stored updating data in order to program the stored update data to a permanent memory unit of the mobile device according to programming logics of the mobile device, and

wherein the update data is arranged to update a firmware of the mobile device.

17. (New) An arrangement comprising:

- means for storing an update data,
- means for transmitting the update data from a network unit to a mobile device and further to the means for storing, and

- means for programming the stored update data to a permanent memory unit of the mobile device by means of a programming driver provided by the mobile device, and wherein the means for programming is also for updating a firmware of the mobile device.
18. (New) An arrangement according to claim 17, wherein the mobile device includes an external bus for connecting a logic, external memory unit to the mobile device.